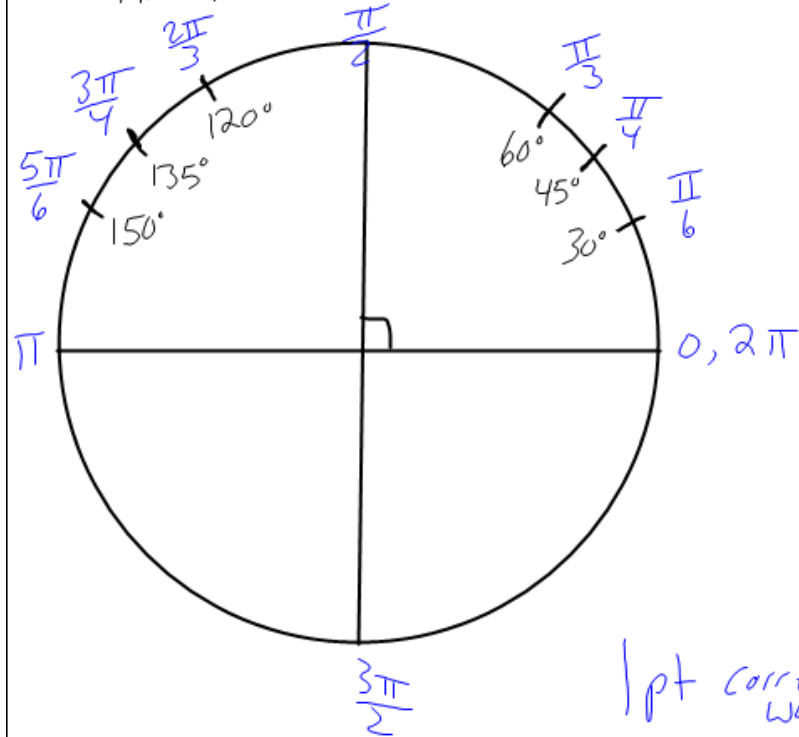


Quiz

- ① Fill in the circle where indicated with the radian measure



- ② What is a radian?

1pt. The angle that cuts off 1 radius

- ③ Convert 80° to radians

$$\frac{\pi}{180} = \frac{x}{80} \quad 180x = 80\pi$$

1pt → work (correct)
1pt → Answer

$$x = \frac{80\pi}{180}$$

$$x = \frac{4\pi}{9}$$

- ④ Convert $\frac{4\pi}{3}$ to degrees

$$\frac{\frac{4\pi}{3}}{x} = \frac{\pi}{180}$$

1pt correct work

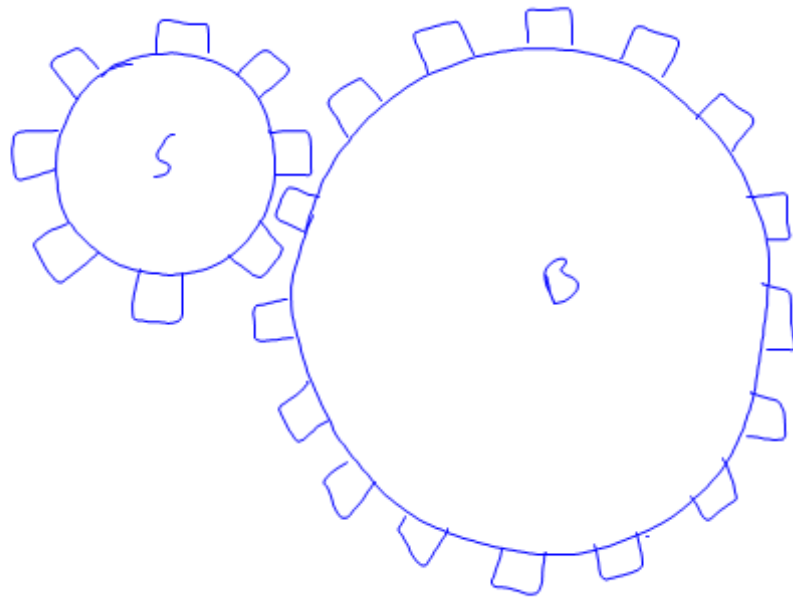
1pt Answer

$$x\pi = 180 \cdot \frac{4\pi}{3}$$

$$x = 240^\circ$$

Read 3.2 and do

sect. 3.2 # 1-6, 9, 11, 13, 17, 19-24, 27-31, 39, 47



$$s_s = r_s \theta_s$$

$$s_B = r_B \theta_B$$

$$r_s \theta_s = r_B \theta_B$$